Post-Test Hazards of Excavations

1. The greatest risk from excavations is cave-ins.
   a. True
   b. False

2. A competent person needs to inspect trenches daily.
   a. True
   b. False

3. Work done in a trench can cause an atmospheric hazard.
   a. True
   b. False

4. Water causes the sides of an excavation to become less stable.
   a. True
   b. False

5. How far away do spoil piles need to be?
   a. 5 feet
   b. 8 feet
   c. 2 feet
   d. 10 feet

6. All the following can cause a cave-in except:
   a. Water
   b. Heavy equipment near by
   c. Spoil pile to close to excavation
   d. Inspection by competent person

7. Carbon Monoxide bonds with the cells hemoglobin:
   a. The same as oxygen’s
   b. 200 times stronger than oxygen’s bond
   c. 20 times tighter than oxygen’s bond
   d. None of the above

8. Room oxygen content is:
   a. 23%
   b. 19.5%
   c. 21%
   d. 25%

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9. How many amps does it take to cause cardiac arrest?
   a. 1 A  
   b. 50 mA  
   c. 4 A  
   d. 75 mA  

10. Safe access and egress to all excavations is required:
    a. Within 50’  
    b. Within 25’  
    c. Within 10’  
    d. Every 40 feet  

11. Ergonomics is:
    a. The study of soil  
    b. The classification of soil  
    c. Study of how environmental factors affect the body  
    d. All the above  

12. Equipment close to excavations can cause all the following except:
    a. Carbon monoxide build up  
    b. cave-in  
    c. Equipment falling into trench  
    d. Stabilize the wall by vibrating soil around excavation  

13. How many types of cave-in protection are there?
    a. 4 main types  
    b. 3 main types  
    c. 1 main type  
    d. 2 main types  

14. How much does a cubic yard of soil weigh?
    a. 3000 lbs.  
    b. 2000 lbs.  
    c. 100 lbs.  
    d. 1000 lbs.  

15. How many workers died in cave-ins from 2000 through 2006?
    a. 300  
    b. 450  
    c. 271  
    d. 200  

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